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[0016]

At the time, as shown in Fig.2, a part of the incident light is reflected on the boundary surface between package resin layer 18 and SiO<sub>2</sub> film 17, the boundary surface between SiO<sub>2</sub> film 17 and SiN film 7, and the boundary surface between SiN film 7 and epitaxial layer 2. In this case, the refractive index of package resin layer 18 is about 1.55; that of SiO<sub>2</sub> film 17 about 1.45; that of SiN film 7 about 2.0; and that of epitaxial layer 2 about 3.4. Accordingly, based on formula 1, reflectance R01 on the boundary surface between package resin 18 and SiO<sub>2</sub> film 17 is about 0.1%; reflectance R12 on the boundary surface between SiO<sub>2</sub> film 17 and SiN film 7 about 2.5%; and reflectance R23 on the boundary surface between SiN film 7 and epitaxial layer 2 about 6.7%.

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